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JUL 16 2002

TECH CENTER 1600/2900



1635

#23

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/366,081CDATE: 07/10/2002
TIME: 15:49:13Input Set : A:\55525-8029.US07-SEQLIST.TXT
Output Set: N:\CRF3\07102002\I366081C.raw**ENTERED**

4 <110> APPLICANT: Brenner, Sydney
 6 <120> TITLE OF INVENTION: Compositions for Sorting Polynucleotides
 9 <130> FILE REFERENCE: 55525-8029.US07 (802-04RE)
 11 <140> CURRENT APPLICATION NUMBER: US 09/366,081C
 12 <141> CURRENT FILING DATE: 1999-08-02
 14 <150> PRIOR APPLICATION NUMBER: US 08/484,712
 15 <151> PRIOR FILING DATE: 1995-06-07
 17 <150> PRIOR APPLICATION NUMBER: US 08/358,810
 18 <151> PRIOR FILING DATE: 1994-12-19
 20 <150> PRIOR APPLICATION NUMBER: US 08/322,348
 21 <151> PRIOR FILING DATE: 1994-10-13
 23 <160> NUMBER OF SEQ ID NOS: 19
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 38
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Segment of vector
 35 <400> SEQUENCE: 1
 36 gagatgcct ttatggatcc actcgagatc ccaatcca 38
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 26
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Artificial Sequence
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: Adaptor
 46 <400> SEQUENCE: 2
 47 aattcggatg atgcgtatcgat cgaccc 26
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 14
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial Sequence
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: Adaptor
 57 <400> SEQUENCE: 3
 58 tcgagtcatc cgat 14
 60 <210> SEQ ID NO: 4
 61 <211> LENGTH: 39
 62 <212> TYPE: DNA
 63 <213> ORGANISM: Artificial Sequence
 65 <220> FEATURE:
 66 <223> OTHER INFORMATION: Tag complement linked to solid phase support

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68 <400> SEQUENCE: 4
69 dddddddddd dddddddddd dddddddddd ddddddttgg 39
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 66
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Primer
79 <400> SEQUENCE: 5
80 ctatcgacc ahhhhhhhhh hhhhhhhhhh hhhhhhhhhh hhhhhhhhtt tttttttt 60
81 tttttt 66
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 11
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Primer
W--> 91 <221> NAME/KEY: misc_feature
92 <222> LOCATION: (1)...(11)
93 <223> OTHER INFORMATION: n = A,T,C or G
W--> 95 <400> 6
W--> 96 nrrgatcynn n 11
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 22
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Adaptor
106 <400> SEQUENCE: 7
107 gggtcgatgc atgcatcatc cg 22
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 10
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Adaptor
117 <400> SEQUENCE: 8
118 atcggatgac 10
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 43
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag
128 <400> SEQUENCE: 9
129 tcgaccgatt tgattagatt tggtaaagta atgtaaagga tta 43
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 43
133 <212> TYPE: DNA

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134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag
139 <400> SEQUENCE: 10
140 tcgaccagta atgtaaagga tttgatagta ttgtgatga tta 43
142 <210> SEQ ID NO: 11
143 <211> LENGTH: 16
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Adaptor
150 <400> SEQUENCE: 11
151 atcggatgac atcaac 16
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 20
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Mixed Probe
W--> 161 <221> NAME/KEY: misc_feature
162 <222> LOCATION: (1)...(20)
163 <223> OTHER INFORMATION: n = A,T,C or G
W--> 165 <400> 12
W--> 166 nnagttgat gtcatccgat 20
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 20
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Mixed Probe
W--> 176 <221> NAME/KEY: misc_feature
177 <222> LOCATION: (1)...(20)
178 <223> OTHER INFORMATION: n = A,T,C or G
W--> 180 <400> 13
W--> 181 nnncgttcatccgat 20
183 <210> SEQ ID NO: 14
184 <211> LENGTH: 20
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Mixed Probe
W--> 191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (1)...(20)
193 <223> OTHER INFORMATION: n = A,T,C or G
W--> 195 <400> 14
W--> 196 nnngttgat gtcatccgat 20
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 20
200 <212> TYPE: DNA
  
```

RAW SEQUENCE LISTING
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Input Set : A:\55525-8029.US07-SEQLIST.TXT
Output Set: N:\CRF3\07102002\I366081C.raw

201 <213> ORGANISM: Artificial Sequence	
203 <220> FEATURE:	
204 <223> OTHER INFORMATION: Mixed Probe	
W--> 206 <221> NAME/KEY: misc_feature	
207 <222> LOCATION: (1)...(20)	
208 <223> OTHER INFORMATION: n = A,T,C or G	
W--> 210 <400> 15	
W--> 211 nnntgttcat gtcatccgat	20
213 <210> SEQ ID NO: 16	
214 <211> LENGTH: 37	
215 <212> TYPE: DNA	
216 <213> ORGANISM: Artificial Sequence	
218 <220> FEATURE:	
219 <223> OTHER INFORMATION: synthetic target polynucleotide probe complex	
W--> 221 <221> NAME/KEY: misc_feature	
222 <222> LOCATION: (1)...(37)	
223 <223> OTHER INFORMATION: n = A,T,C or G	
W--> 225 <400> 16	
W--> 226 nnnnnggatg nnnnnnnnnn nnntnnnnnn nnnnnnnn	37
228 <210> SEQ ID NO: 17	
229 <211> LENGTH: 43	
230 <212> TYPE: DNA	
231 <213> ORGANISM: Artificial Sequence	
233 <220> FEATURE:	
234 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag	
236 <400> SEQUENCE: 17	
237 tcgacctaga tgatgattga ttgtaaaaag aaagtttgaa tga	43
239 <210> SEQ ID NO: 18	
240 <211> LENGTH: 42	
241 <212> TYPE: DNA	
242 <213> ORGANISM: Artificial Sequence	
244 <220> FEATURE:	
245 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag	
247 <400> SEQUENCE: 18	
248 gggccddddd ddddddcccc ddddddcccc ddddddcccc da	42
250 <210> SEQ ID NO: 19	
251 <211> LENGTH: 64	
252 <212> TYPE: DNA	
253 <213> ORGANISM: Artificial Sequence	
255 <220> FEATURE:	
256 <223> OTHER INFORMATION: DNA fragment containing oligonucleotide tag	
258 <400> SEQUENCE: 19	
259 rcgaccagh hhhhhhhhh hhhhhhhhhh hhhhhhhhhh hhgggttttt tttttttttt	60
260 tttt	64

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/10/2002
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 1,9,10,11
Seq#:12; N Pos. 1,2,3
Seq#:13; N Pos. 1,2,3
Seq#:14; N Pos. 1,2,3
Seq#:15; N Pos. 1,2,3
Seq#:16; N Pos. 1,2,3,4,5,11,12,13,14,15,16,17,18,19,20,21,22,23,25,26,27
Seq#:16; N Pos. 28,29,30,31,32,33,34,35,36,37